

## PATENT COOPERATION TREATY

PCT

## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner  
US Department of Commerce  
United States Patent and Trademark  
Office, PCT  
2011 South Clark Place Room  
CP2/5C24  
Arlington, VA 22202  
ETATS-UNIS D'AMERIQUE  
in its capacity as elected Office

|   |   |
|---|---|
| Date of mailing (day/month/year)<br>26 April 2001 (26.04.01)            |   |
| International application No.<br>PCT/JP00/05828                         | Applicant's or agent's file reference<br>DK-171-PCT         |
| International filing date (day/month/year)<br>29 August 2000 (29.08.00) | Priority date (day/month/year)<br>31 August 1999 (31.08.99) |
| Applicant<br>ISHII, Masanori et al                                      |   |

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:  
12 March 2001 (12.03.01)

☐ in a notice effecting later election filed with the International Bureau on:  
\_\_\_\_\_

2. The election ☒ was  
☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

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|---|--|
| The International Bureau of WIPO<br>34, chemin des Colombettes<br>1211 Geneva 20, Switzerland<br>Facsimile No.: (41-22) 740.14.35 | Authorized officer<br>R. Forax<br>Telephone No.: (41-22) 338.83.38 |
|---|--|

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/JP 00/05828

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B32B27/32 B32B27/36 C09J7/02 C09J153/02 C09J123/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B32B C09J B65D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| X          | <p>DATABASE WPI<br/>Section Ch, Week 197944<br/>Derwent Publications Ltd., London, GB;<br/>Class A12, AN 1979-79624B<br/>XP002153091<br/>&amp; JP 54 120646 A (DENKI KAGAKU KOGYO KK),<br/>19 September 1979 (1979-09-19)<br/>cited in the application<br/>abstract</p> | 1,2                   |
| A          | <p>EP 0 437 745 A (BASF AG)<br/>24 July 1991 (1991-07-24)<br/>claims 1-4<br/>page 4, line 39 - line 48<br/>page 5, line 5 - line 8</p>  | 1-12                  |
|            | -/--  |                       |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

21 November 2000

Date of mailing of the international search report

30/11/2000

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Schlicke, B

# INTERNATIONAL SEARCH REPORT

Internat'l Application No

PCT/JP 00/05828

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                     | Relevant to claim No. |
|------------|--|-----------------------|
| A          | <p>US 5 670 254 A (AKHTER SOHAIL)<br/> 23 September 1997 (1997-09-23)<br/> claims 1,2</p> <p>-----</p> | 1-12                  |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Internat'l Application No

PCT/JP 00/05828

| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s)    | Publication<br>date      |
|---|---------------------|-------------------------------|--------------------------|
| JP 54120646 A                             | 19-09-1979          | JP 1161266 C<br>JP 57053828 B | 10-08-1983<br>15-11-1982 |
| EP 0437745 A                              | 24-07-1991          | DE 4001159 A<br>JP 6041365 A  | 18-07-1991<br>15-02-1994 |
| US 5670254 A                              | 23-09-1997          | US 5599621 A<br>WO 9711844 A  | 04-02-1997<br>03-04-1997 |

## PATENT COOPERATION TREATY

PCT

REC'D 02 OCT 2001

WIPO

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## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)


|   |   |  |
|---|---|--|
| Applicant's or agent's file reference<br>DK-171-PCT                                       | <b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416) |  |
| International application No.<br>PCT/JP00/05828   | International filing date (day/month/year)<br>29/08/2000  | Priority date (day/month/year)<br>31/08/1999 |
| International Patent Classification (IPC) or national classification and IPC<br>B32B27/32 |   |  |
| Applicant<br>DENKI KAGAKU KOGYO KABUSHIKI KAISHA et al.                                   |   |  |

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 4 sheets, including this cover sheet.
  - ☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

|   |  |
|---|--|
| Date of submission of the demand<br><br>12/03/2001  | Date of completion of this report<br><br>28.09.2001                          |
| Name and mailing address of the international preliminary examining authority:<br><br> European Patent Office<br>D-80298 Munich<br>Tel. +49 89 2399 - 0 Tx: 523656 epmu d<br>Fax: +49 89 2399 - 4465 | Authorized officer<br><br>Schambeck, W<br><br>Telephone No. +49 89 2399 2135 |



# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/JP00/05828

## I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

**Description, pages:**

1-19 as originally filed

**Claims, No.:**

1-12 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:
- ☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/JP00/05828

*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

6. Additional observations, if necessary:

## **V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

### **1. Statement**

|                               |      |        |      |
|-------------------------------|------|--------|------|
| Novelty (N)                   | Yes: | Claims | 1-12 |
|                               | No:  | Claims |      |
| Inventive step (IS)           | Yes: | Claims |      |
|                               | No:  | Claims | 1-12 |
| Industrial applicability (IA) | Yes: | Claims | 1-12 |
|                               | No:  | Claims |      |

### **2. Citations and explanations see separate sheet**

The negative statement with regard to inventive step relies on JP-A-54 120 646.

As apparent from the English language abstract of that document cited in the search report, the concept of a heat sealing film comprising from 10 to 80 percent by weight of an "SB block copolymer resin" (i.e. a block copolymer of from 60 to 95 percent by weight of a styrene type hydrocarbon and of from 5 to 40 percent by weight of a conjugated diene type hydrocarbon), from 5 to 50 percent by weight of an "EO random copolymer" (i.e. an ethylene  $\alpha$ -olefin random copolymer) and from 10 to 50 percent by weight of an "SB block copolymer elastomer" (i.e. a block copolymer of from 10 to 50 percent by weight of a styrene type hydrocarbon and of from 50 to 90 percent by weight of a conjugated diene type hydrocarbon) formed part of the state of the art at the priority date of the application under examination.

The inventions defined by claims 1 to 12 are considered obvious because they appear to merely concretise or supplement the concept identified in the preceding paragraph by

- (i) presenting the requirement that the haze of the heat sealing film should be no more than 30 %, which requirement would have been regarded as desirable by any person skilled in the relevant technical field,
- (ii) introducing restrictions defined so broadly that it does not appear plausible that (all embodiments of) the generic teaching defined by those restrictions should ensure the achievement of a desirable technical result not to be expected by a person skilled in the art and derivable from the application as filed and/or
- (iii) adding technical information rendered obvious by the common general knowledge in the relevant technical field or even the content of JP-A-54 120 646.



# PATENT COOPERATION TREATY

PCT

## NOTIFICATION CONCERNING SUBMISSION OR TRANSMITTAL OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

From the INTERNATIONAL BUREAU

To:

SEMYO, Kenji  
Torimoto Kogyo Bldg.  
38, Kanda-Higashimatsushitacho  
Chiyoda-ku, Tokyo 101-0042  
JAPON

|  |   |
|--|---|
| Date of mailing (day/month/year)<br>23 November 2000 (23.11.00)      |   |
| Applicant's or agent's file reference<br>DK-171-PCT                  | <b>IMPORTANT NOTIFICATION</b>   |
| International application No.<br>PCT/JP00/05828                      | International filing date (day/month/year)<br>29 August 2000 (29.08.00) |
| International publication date (day/month/year)<br>Not yet published | Priority date (day/month/year)<br>31 August 1999 (31.08.99)             |
| Applicant<br>DENKI KAGAKU KOGYO KABUSHIKI KAISHA et al               |   |

- The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
- An asterisk(\*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, **the attention of the applicant is directed** to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
- The letters "NR" appearing in the right-hand column denote a priority document which was not received by the International Bureau or which the applicant did not request the receiving Office to prepare and transmit to the International Bureau, as provided by Rule 17.1(a) or (b), respectively. In such a case, **the attention of the applicant is directed** to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

| <u>Priority date</u>    | <u>Priority application No.</u> | <u>Country or regional Office<br/>or PCT receiving Office</u> | <u>Date of receipt<br/>of priority document</u> |
|-------------------------|---------------------------------|---|---|
| 31 Augu 1999 (31.08.99) | 11/244419                       | JP  | 17 Nove 2000 (17.11.00)                         |
| 17 Dece 1999 (17.12.99) | 11/358664                       | JP  | 17 Nove 2000 (17.11.00)                         |

|   |   |
|---|---|
| <p>The International Bureau of WIPO<br/>34, chemin des Colombettes<br/>1211 Geneva 20, Switzerland</p> <p>Facsimile No. (41-22) 740.14.35</p> | <p>Authorized officer</p> <p>Magda BOUACHA</p> <p>Telephone No. (41-22) 338.83.38</p> |
|---|---|

## PATENT COOPERATION TREATY

PCT

NOTICE INFORMING THE APPLICANT OF THE  
COMMUNICATION OF THE INTERNATIONAL  
APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

From the INTERNATIONAL BUREAU

To:

SENMYO, Kenji  
Torimoto Kogyo Bldg.  
38, Kanda-Higashimatsushitacho  
Chiyoda-ku, Tokyo 101-0042  
JAPON

Date of mailing (day/month/year)

08 March 2001 (08.03.01)

Applicant's or agent's file reference

DK-171-PCT

## IMPORTANT NOTICE

International application No.

PCT/JP00/05828

International filing date (day/month/year)

29 August 2000 (29.08.00)

Priority date (day/month/year)

31 August 1999 (31.08.99)

Applicant

DENKI KAGAKU KOGYO KABUSHIKI KAISHA et al

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this Notice:  
AU,KR,US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present Notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

AE,AG,AL,AM,AP,AT,AZ,BA,BB,BG,BR,BY,BZ,CA,CH,CN,CR,CU,CZ,DE,DK,DM,DZ,EA,EE,EP,ES,  
FI,GB,GD,GE,GH,GM,HR,HU,ID,IL,IN,IS,JP,KE,KG,KZ,LC,LK,LR,LS,LT,LU,LV,MA,MD,MG,MK,  
MN,MW,MX,MZ,NO,NZ,OA,PL,PT,RO,RU,SD,SE,SG,SI,SK,SL,TJ,TM,TR,TT,TZ,UA,UG,UZ,VN,YU,  
The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this Notice is a copy of the international application as published by the International Bureau on  
08 March 2001 (08.03.01) under No. WO 01/15897

**REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)**

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a demand for international preliminary examination must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

**REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))**

If the applicant wishes to proceed with the international application in the national phase, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and Volume II of the PCT Applicant's Guide.

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No. (41-22) 740.14.35

Authorized officer

J. Zahra

Telephone No. (41-22) 338.83.38

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

SENMYO Kenji, OGAWA Toshiharu  
YAMAMOTO Ryoza  
Torimoto Kogyo Building, 38  
Kanda-Higashimatsushitacho  
Chiyoda-ku, Tokyo 101-0042  
JAPON

## PCT

### NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL PRELIMINARY EXAMINATION REPORT (PCT Rule 71.1)

|                                     |            |
|-------------------------------------|------------|
| Date of mailing<br>(day/month/year) | 28.09.2001 |
|-------------------------------------|------------|

|   |                               |
|---|-------------------------------|
| Applicant's or agent's file reference<br>DK-171-PCT | <b>IMPORTANT NOTIFICATION</b> |
|---|-------------------------------|

|   |  |  |
|---|--|--|
| International application No.<br>PCT/JP00/05828 | International filing date (day/month/year)<br>29/08/2000 | Priority date (day/month/year)<br>31/08/1999 |
|---|--|--|

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|---|
| Applicant<br>DENKI KAGAKU KOGYO KABUSHIKI KAISHA et al. |
|---|

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

#### 4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

|                                       |                    |
|---------------------------------------|--------------------|
| Name and mailing address of the IPEA/ | Authorized officer |
|---------------------------------------|--------------------|

|   |  |
|---|--|
|  European Patent Office<br>D-80298 Munich<br>Tel. +49 89 2399 - 0 Tx: 523656 epmu d<br>Fax: +49 89 2399 - 4465 | Authorized officer<br>Ferro Vasconcelos, M<br>Tel. +49 89 2399- <del>2300</del> 8052 |
|---|--|





# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

|  |   |   |
|--|---|---|
| Applicant's or agent's file reference<br><b>DK-171-PCT</b>   |   | <b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)   |
| International application No.<br><b>PCT/JP00/05828</b>   | International filing date (day/month/year)<br><b>29/08/2000</b> | Priority date (day/month/year)<br><b>31/08/1999</b>   |
| International Patent Classification (IPC) or national classification and IPC<br><b>B32B27/32</b>   |   |   |
| Applicant<br><b>DENKI KAGAKU KOGYO KABUSHIKI KAISHA et al.</b>   |   |   |
| <p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 4 sheets, including this cover sheet.</p> <p><input type="checkbox"/> This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of sheets.</p>  |   |   |
| <p>3. This report contains indications relating to the following items:</p> <ul style="list-style-type: none"> <li>I <input checked="" type="checkbox"/> Basis of the report</li> <li>II <input type="checkbox"/> Priority</li> <li>III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</li> <li>IV <input type="checkbox"/> Lack of unity of invention</li> <li>V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</li> <li>VI <input type="checkbox"/> Certain documents cited</li> <li>VII <input type="checkbox"/> Certain defects in the international application</li> <li>VIII <input type="checkbox"/> Certain observations on the international application</li> </ul> |   |   |
| Date of submission of the demand<br><br><b>12/03/2001</b>  |   | Date of completion of this report<br><br><b>28.09.2001</b>  |
| Name and mailing address of the international preliminary examining authority:<br> <b>European Patent Office</b><br><b>D-80298 Munich</b><br><b>Tel. +49 89 2399 - 0 Tx: 523656 epmu d</b><br><b>Fax: +49 89 2399 - 4465</b>  |   | Authorized officer<br><br><b>Schambeck, W</b><br><br>Telephone No. +49 89 2399 2135  |

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/JP00/05828

## I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

### Description, pages:

1-19 as originally filed

### Claims, No.:

1-12 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:
- ☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/JP00/05828

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*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

6. Additional observations, if necessary:

## **V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

### **1. Statement**

|                               |      |        |      |
|-------------------------------|------|--------|------|
| Novelty (N)                   | Yes: | Claims | 1-12 |
|                               | No:  | Claims |      |
| Inventive step (IS)           | Yes: | Claims |      |
|                               | No:  | Claims | 1-12 |
| Industrial applicability (IA) | Yes: | Claims | 1-12 |
|                               | No:  | Claims |      |

### **2. Citations and explanations see separate sheet**

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

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International application No. PCT/JP00/05828

The negative statement with regard to inventive step relies on JP-A-54 120 646.

As apparent from the English language abstract of that document cited in the search report, the concept of a heat sealing film comprising from 10 to 80 percent by weight of an "SB block copolymer resin" (i.e. a block copolymer of from 60 to 95 percent by weight of a styrene type hydrocarbon and of from 5 to 40 percent by weight of a conjugated diene type hydrocarbon), from 5 to 50 percent by weight of an "EO random copolymer" (i.e. an ethylene  $\alpha$ -olefin random copolymer) and from 10 to 50 percent by weight of an "SB block copolymer elastomer" (i.e. a block copolymer of from 10 to 50 percent by weight of a styrene type hydrocarbon and of from 50 to 90 percent by weight of a conjugated diene type hydrocarbon) formed part of the state of the art at the priority date of the application under examination.

The inventions defined by claims 1 to 12 are considered obvious because they appear to merely concretise or supplement the concept identified in the preceding paragraph by

- (i) presenting the requirement that the haze of the heat sealing film should be no more than 30 %, which requirement would have been regarded as desirable by any person skilled in the relevant technical field,
- (ii) introducing restrictions defined so broadly that it does not appear plausible that (all embodiments of) the generic teaching defined by those restrictions should ensure the achievement of a desirable technical result not to be expected by a person skilled in the art and derivable from the application as filed and/or
- (iii) adding technical information rendered obvious by the common general knowledge in the relevant technical field or even the content of JP-A-54 120 646.

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

|  |   |  |
|--|---|--|
| Applicant's or agent's file reference<br><b>DK-171-PCT</b>         | <b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below. |  |
| International application No.<br><b>PCT/JP 00/ 05828</b>           | International filing date (day/month/year)<br><b>29/08/2000</b>   | (Earliest) Priority Date (day/month/year)<br><b>31/08/1999</b> |
| Applicant<br><br><b>DENKI KAGAKU KOGYO KABUSHIKI KAISHA et al.</b> |   |  |

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

**4. With regard to the title,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

**5. With regard to the abstract,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

**6. The figure of the drawings to be published with the abstract is Figure No.**

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☒ None of the figures.